





Onsite at Samyan Mitrtown Hall / Online via Zoom

Date: Wednesday, March 22, 2023

Time: 9:00 - 12:00 (THA), 11:00 - 14:00 (JST)

Free of charge / Advance registration required.

Tokyo Institute of Technology (Tokyo Tech), in cooperation with the National Science and Technology Development Agency (NSTDA), will host the 2023 Tokyo Tech Research Showcase on Wednesday, March 22.

This event will focus on research relevant to "medical devices". The theme is an urgent topic for Japan and Thailand as they both face an aging society, and should attract a lot of attention from industries.

This event will be conducted in English.

Tokyo Tech Research Showcase is organized by Tokyo Tech ANNEX Bangkok, co-sponsored by Tokyo Tech and NSTDA, and supported by Tokyo Tech Alumni Association Thailand (Thai Kuramae Kogyokai).

Registration

Onsite: https://forms.gle/vb1ApxF8mrTv2F2w8



Online: https://zoom.us/webinar/register/WN_7 W7UGGrGT8CLP-aGFHB9aQ



Please choose how you would like to participate, either at the venue or online.

We will close registration when the venue's capacity in reached, but you will still be able to attend online.

Please register through the link above by Sunday, March 19, 2023. This event will be held in English.

- Note: 1 This workshop will be recorded and will be uploaded later on the website of Tokyo Tech and NSTDA
 - ② Please be aware that the administrator may take photographs or videos during the event, which might be used in the website of Tokyo Tech and NSTDA.

Tokyo Tech ANNEX

To further advance academia-industry collaborations, Tokyo Tech established Tokyo Tech ANNEX Bangkok at Thailand Science Park in March 2018. Tokyo Tech ANNEX Bangkok facilitates the identification of potential seeds for international collaborative research with companies and organizations in Thailand and the surrounding region

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Tokyo Tech VR is available here. You can obtain more information about speakers at the main lobby.

Program

9:00 - 9:10 Opening remarks Prof. Nobuhiro Hayashi Vice President for International Affairs, Tokyo Tech Dr. Sarun Sumriddetchkajorn Executive Vice President, NSTDA 9:10 - 9:40 Assoc. Prof. Akitoshi Okino Laboratory for Future Interdisciplinary Research of Science and Technology Tokyo Tech "Development of brand-new atmospheric low temperature plasmas and its application to materials and medical fields" Assoc. Prof. Marie Tabaru 9:40 - 10:10 Institute of Innovative Research Tokyo Tech "Elasticity measurement of fruits and muscle for agricultural and medical application" Dr. Kriskrai Sitthiseripratip 10:10 - 10:40 Principal Researcher Assistive Technology and Medical Devices Research Center, NSTDA "Development of 3D Printing Technologies In Thailand and its applications in patientspecific implant design and manufacturing" 10:40 - 11:10 Prof. Yoshitaka Kitamoto School of Materials and Chemical Technology, Tokyo Tech "Biomedical Applications of Magnetic Nanoparticles[†] 11:10 - 11:15 Closing remarks

Coffee Break / Networking

11:15 – 12:00

Speakers' Profiles



Akitoshi OKINO Associate Professor Laboratory for Future Interdisciplinary Research of Science and Technology (FIRST) Tokyo Institute of Technology

Akitoshi Okino received his B.E. and M.E. degrees in applied physics from Osaka University in 1989 and 1991, respectively. He received his Ph.D. degree at Tokyo Institute of Technology in 1994. He is currently an Associate Professor serving in the Laboratory for Future Interdisciplinary Research of Science and Technology (FIRST), Tokyo Institute of Technology. From 1998 to 1999, he was a visiting researcher at The George Washington University, Washington, D.C., USA. From 2006 to 2007, he was a Visiting Professor in the Department of Chemical and Biomolecular Engineering, UCLA, Los Angeles, USA. He is currently a visiting associate professor at Tohoku University School of Dentistry. He is currently the president of the Japan society for plasma spectrochemistry.



Marie TABARU Associate Professor Institute of Innovative Research Tokyo Institute of Technology

Marie Tabaru received her B.Eng. degree in electrical and electronic engineering in 2002 and her M.Eng. degree in human system science in 2005, both from the Tokyo Institute of Technology. She studied medical ultrasound at the University of Washington from 2002–2003. From 2008 to 2013, she was with Central Research Laboratory, Hitachi Ltd.. She currently conducts research in medical ultrasound, agricultural

measurement, and instrument acoustics.

She has been an associate professor of the Institute of Innovative Research, Tokyo Institute of Technology, since 2016.



Kriskrai SITTHISERIPRATIP
Principal Researcher
Research Team Leader (Implantable Medical Device Technology)
Assistive Technology and Medical Devices
Research Center (A-MED)
NSTDA

2003 D.Eng (Manufacturing Systems Engineering) Asian Institute of Technology, Thailand

2000 M.Eng (Biomedical and Clinical Engineering) Katholieke Universiteit Leuven, Belgium

1997 M.Eng (Manufacturing Systems Engineering) King Mongkut's University of Technology, Thailand

1993 B.Eng (Production Engineering) King Mongkut's Institute of Technology, Thailand

Work Experience:

2019 Present Principal Researcher

Assistive Technology and Medical Devices Research Center (A-MED) National Science and Technology Development Agency (NSTDA) 2009- 2018 Principal Researcher

National Metal and Materials Technology Center (MTEC)

2005-2009 Senior Researcher

National Metal and Materials Technology Center (MTEC)

2003 - 2005 Researcher

National Metal and Materials Technology Center (MTEC)



Yoshitaka KITAMOTO Professor School of Materials and Chemical Technology Tokyo Institute of Technology

Yoshitaka Kitamoto received his B.E., M.E., and Ph.D. from Tokyo Institute of Technology in 1986, 1988, 1998, respectively. He worked for Digital Equipment Corporation Japan and KK Raychem before he joined Tokyo Institute of Technology. Now he is an associate dean of the School of Materials and Chemical Technology. His research focuses on biomedical devices which can be applied to magnetically guided drug delivery systems and magnetic biosensing that use magnetic nanoparticles and nanostructures.